portion of the same forms compounds, ami llieM- uith t'. In
producer gas, one finds, in addition to 11, gem-ralU (11 s uitd
more highly carbonised hydrocarbons. Tin- latter, hn\\e*-r,
| only appear in quite small quantities, and are
>>,ettendh
regarded as t^Iii.
!J In OHi there are for 1*2 kilogrsmmirs (\ I ki !•',",
ram me.-, IK
;! which, together, thus furnish 1<> kilogramme:-, ('lij. It*
kih»
j grammes OI.I.j occupies, however, under normal ei»ndi!iHti •
-a .
1 (*ul')ic, luc.tn*. C.-ILt then wei^h.s O'TIT^ kil.»".rammr \ a l|j
^j
lii volume of ft ^-.-^.iW'rt cuhir metres, \\hil>i I
Kil«»v.r.imme.. I!,
I' .j
j' occu|)i.es ",:—1-l"() cubic nielre^, \\hirh \irld.-
ilia! iherf i
, able, to 1)0 produced from
! (J-f-i2 cubic meires II . 1 cubic metre ('lit , .
. <vM».
In othor words, one is able, to i'e^,ar«(I i'ul»i»' m«!re ('llj 4-resulting from (J and iJ
cubic inetrt^s II,
In CaU'-i p(M* fc2'I Ixilo^nunmes <' there are I Kd«»»'iMmm*"' II, which givc^ V2H
kilo^ra,inmes (\«Hi, «H liiin^riimjuf = ^'/fli occupy under normal conditi«>ns
28 < k)r ••--»^211 cubic metres.
4 kilogrammes II on the eonlrary t . >r(II'?* euhi,- nn^n-, thus there njsults from
0+^ cubic metres II — I cubic' metre I\<\\, . „ . »i,!li,
Thus (iacli volume of C'llj or C\»IIS i»««»nv>.|*Mfi*h !«* *J vubnu*", of free hydrogen, and
one can easiK e^timati- tin- t*»i-i| uiinninf of hydrogen, taken as in {he five stale, if i»ne
this amounts of (!H., and (\jllj pre>eiti jmd ttilil-. conttmt of free 11,
If, for ex:implu, a gas contains
C2H.J 8*1 cubic metres fill.j W7 rubie ni»-frf,--* }
.11 Hl» cubic metres,
this will correspond to an amount of byiln»;*i-M faki-n itt th free state of